

ABSTRACT

5 A column tray assembly includes a tray having passages formed therein. The tray is a multifunction tray and is configured to receiving appropriate superstructures which can be selected according to the respective use of the assembly. Superstructures which communicate with the passages are mounted to the tray. The superstructures have gas penetration holes embedded in such way that, when the superstructures are
10 mounted to the tray, the orifices of the gas penetration holes extend in a perpendicular manner in relation to the tray. The tray and the superstructures are formed from the same or different corrosion-resistant materials or combination of materials. The tray may also be provided with smaller holes for the discharge of liquid, into which holes distributor cups, or the like are inserted. These smaller holes may be closed for
15 specific purposes.